



St. Lucie County International Airport

*Master Plan Update
Project Kick-Off Meeting
January 27, 2009*



St. Lucie County
International Airport
on Florida's Treasure Coast





Meeting Objectives

- ▶ *Introduce primary participants to Master Planning process and planning team*
- ▶ *Identify Key Issues and Airport Objectives*
- ▶ *Present the goals and objectives of the Master Plan*
- ▶ *Determine expectations and participation of aviation community, and*
- ▶ *Provide Tentative Project and Meeting Schedule*





What is a Master Plan?

- ▶ *20-Year projection of Airport's ultimate growth and long-term development by providing:*
 - ▶ *Short and Long-Term Development Options*
 - ▶ *Impacts of new technology*
 - ▶ *Project/facility phasing and costs*
 - ▶ *Land use and Revenue Generation Options*
 - ▶ *Environmental issues, etc.*
- ▶ *Positions the Airport to compete for FAA/FDOT funding.*





Airport Objectives and Goals

▶ *Airport Objectives:*

- ▶ *Financially self-sustaining*
- ▶ *In compliance with all regulations*
- ▶ *A “good neighbor” in the community*
- ▶ *A state-of-the-art facility serving GA users and the air transportation needs of the community*

▶ *Airport Goals:*

- ▶ *Generate full use of Commission-owned property for commercial and industrial business.*
- ▶ *Develop a marketing plan that will attract new business and retain and expand existing business in the area.*
- ▶ *Implement Airport Sustainability Practices and Building Construction.*



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Key Issues

- ▶ *Analyze planned short and long-term projects*
- ▶ *Analyze long-term potential for regularly scheduled air service*
- ▶ *Evaluate long-term GA options and maximize airside access*
- ▶ *Evaluate existing and Long-Term Customs Requirements and Facilities*
- ▶ *Develop comprehensive land use plan, and identify highest and best use related to aviation, commercial and industrial development*
- ▶ *Noise mitigation measures*
- ▶ *Runway improvements:*
 - ▶ *Potential shift of Runway 9R/27L (future 10R/28L)*
 - ▶ *Pavement Rehabilitation, Strengthening, etc.*
- ▶ *Evaluate taxiway improvements:*
 - ▶ *Taxiway to Airport West Commerce Park*
 - ▶ *Access to Training Runway (10L-28R), etc.*
- ▶ *Consider environmental issues and local community input*
- ▶ *Existing and alternative funding sources for airport infrastructure development and revenue enhancement*
- ▶ *Evaluate new trends and issues related to:*
 - ▶ *NextGen technology*
 - ▶ *Very light jets*
 - ▶ *Sport License*
 - ▶ *Sustainable development*
 - ▶ *Fuel prices and demand, etc.*





Master Plan Objectives

- ▶ *Optimize the operational efficiency, effectiveness, capability and safety of the airport;*
- ▶ *Enhance the economic and social value of the airport;*
- ▶ *Meet the long-range aviation needs of the community;*
- ▶ *Ensure that current and future airport plans are environmentally compatible and in harmony with local and regional plans and objectives; and*
- ▶ *Provide the Airport with planning options that are consistent with these project goals.*



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Master Planning Process

- ▶ *Planning Goals and Objectives*
- ▶ *Issues and Existing Conditions*
- ▶ *Aviation Demand Forecasts*
- ▶ *Demand/Capacity Analysis & Facility Requirements*
- ▶ *Airport Alternatives Analysis*
- ▶ *Airport Layout Plans*
- ▶ *Implementation Plan/Financial Feasibility Analysis*
- ▶ *Public Involvement*
 - ▶ *Technical Advisory Committee Meetings*
 - ▶ *FPR Tenant Meetings*
 - ▶ *Public Information Meeting*
 - ▶ *County Commission Briefings*
 - ▶ *Project Coordination Meetings*
 - ▶ *Periodic Updates to FPR/St. Lucie County Web Site*



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Existing Facilities Inventory

- ▶ *Airport Characteristics and Local Profile*
- ▶ *Airport Access, Transportation, Parking*
- ▶ *Operational Characteristics*
- ▶ *Airfield Facilities*
- ▶ *Security and Airspace*
- ▶ *Landside Facilities*
- ▶ *Support Facilities*
- ▶ *Utilities and Infrastructure*
- ▶ *Natural Features Inventory*



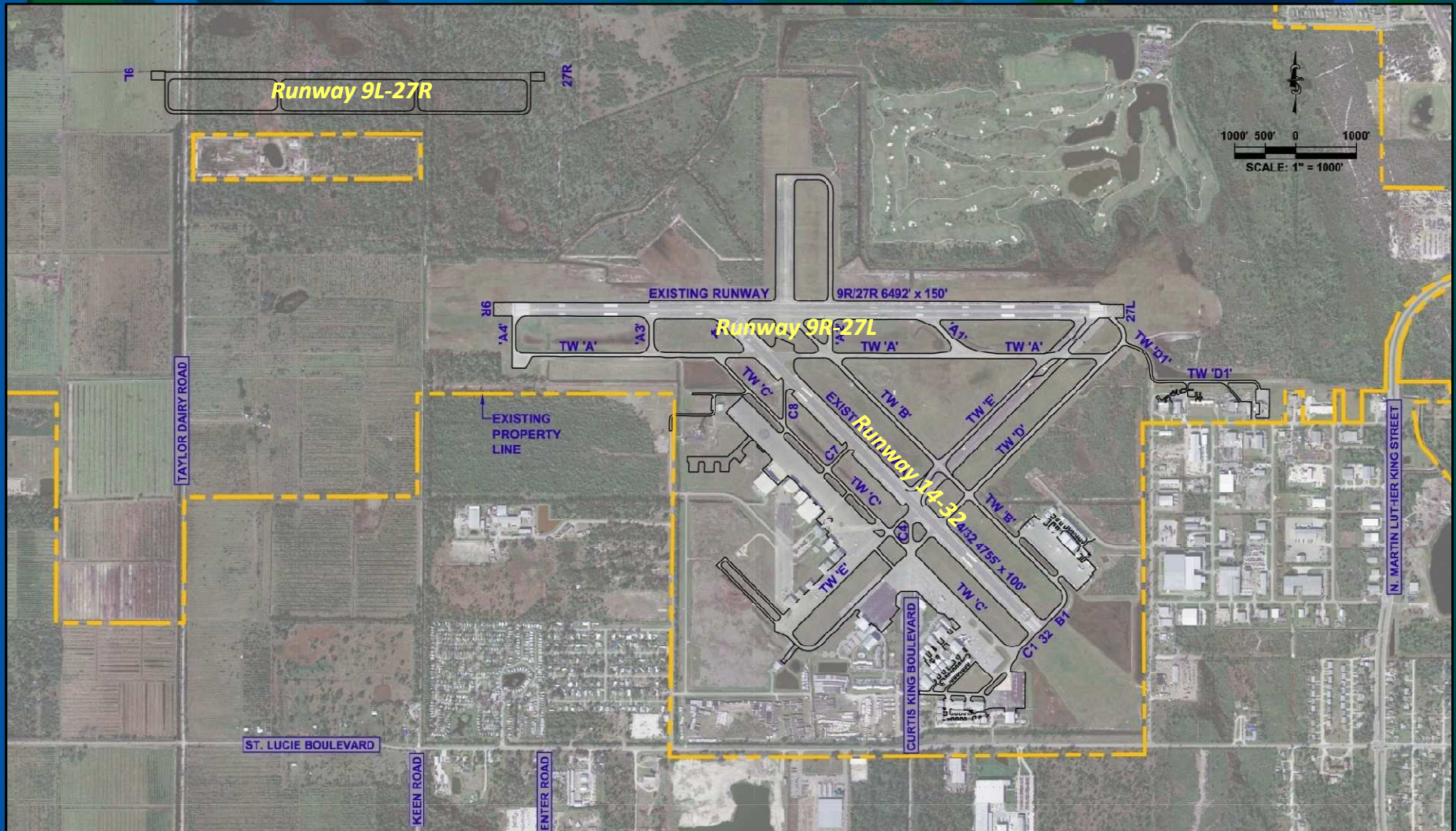
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Existing Airport Layout

ST. LUCIE COUNTY
INTERNATIONAL
AIRPORT
ADMINISTRATION



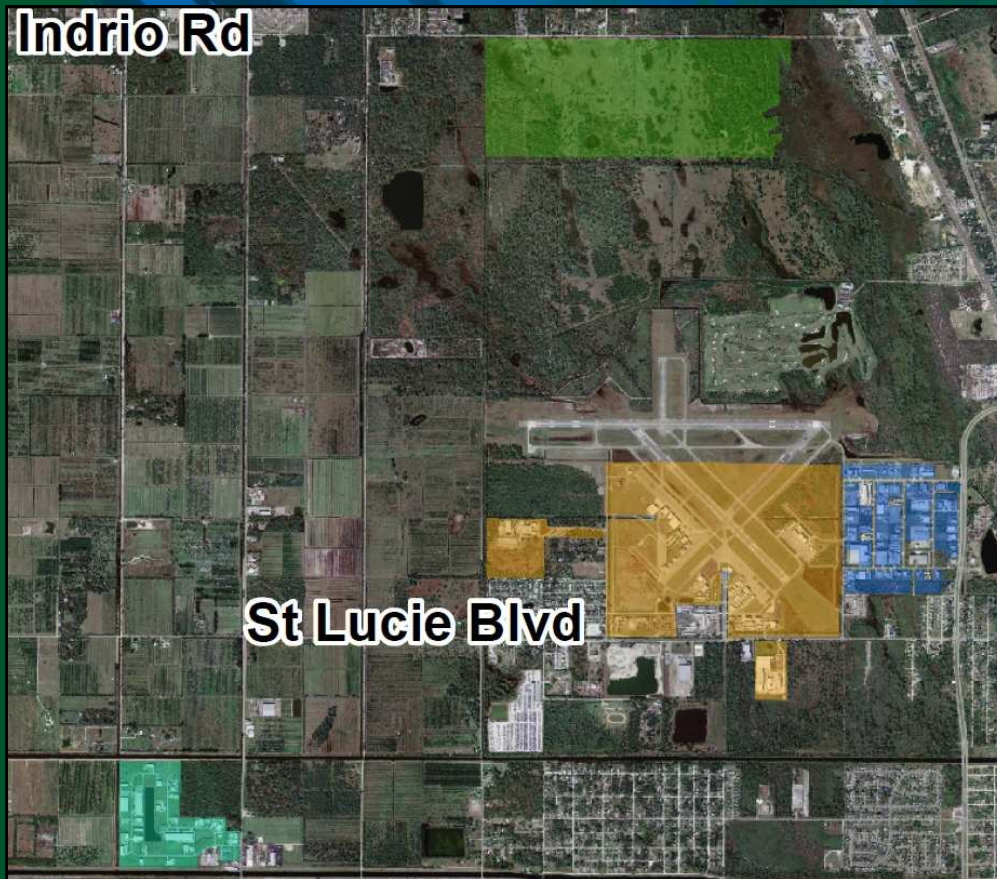
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County Foreign Trade Zones



Foreign Trade Zones

Sites

-  Kings Highway Industrial Park
-  Airport North
-  Airport Industrial Park
-  Airport South

FTZ# 218 – Only FTZ along Treasure Coast

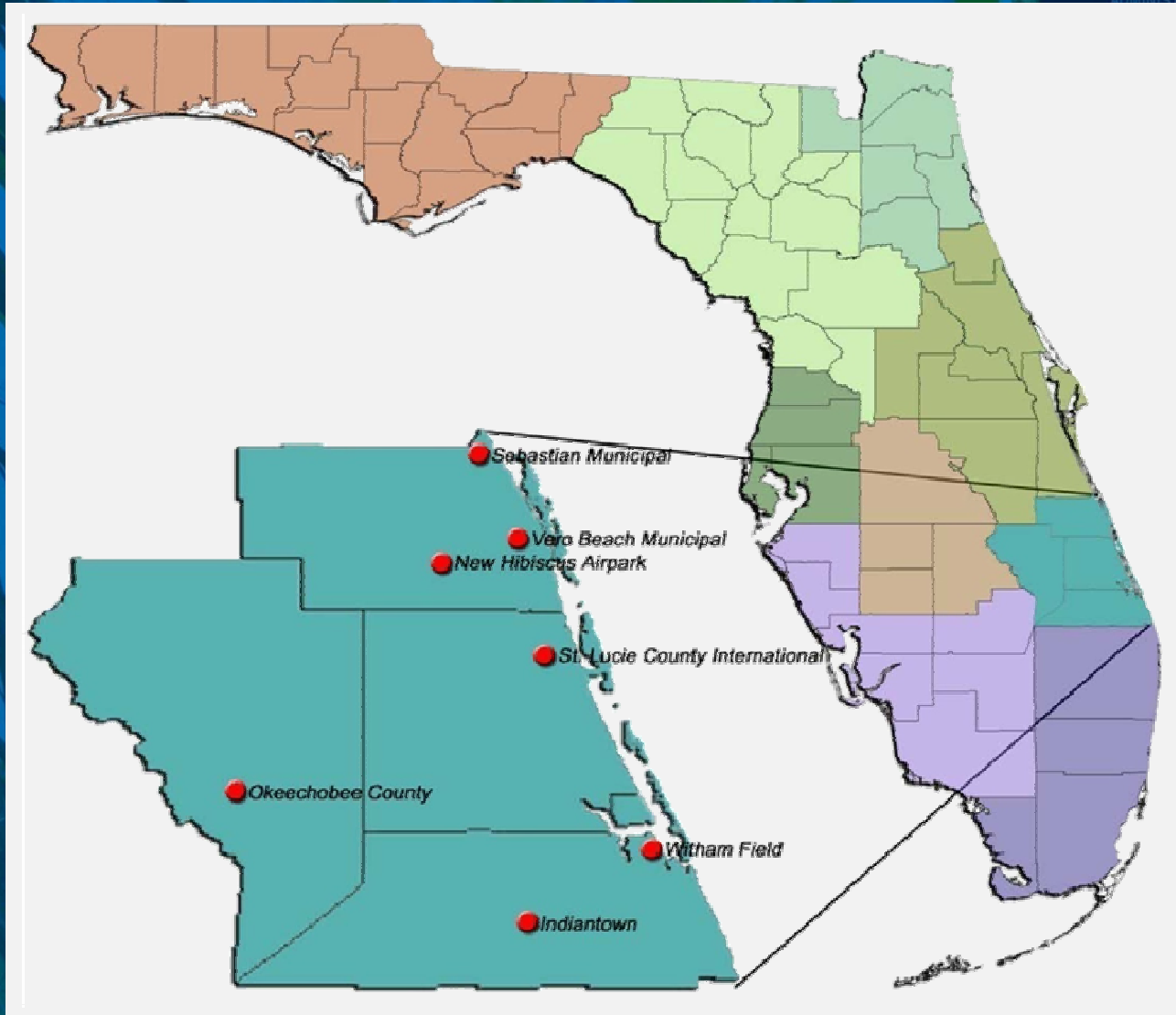


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Treasure Coast Public Airports



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Treasure Coast Public Airports

Airport (FAA Id.)	<u>St. Lucie</u> (FPR)	<u>Vero Beach</u> (VRB)	<u>Witham</u> (SUA)	<u>Okeechobee</u> (OBE)	<u>Sebastian</u> (X26)	<u>Indiantown</u> (X58)	<u>New Hibiscus</u> (X52)
City	Fort Pierce	Vero Beach	Stuart	Okeechobee	Sebastian	Indiantown	Vero Beach
County	St. Lucie	Indian River	Martin	Okeechobee	Indian River	Martin	Indian River
County Pop. (2008)	268,691	134,987	147,642	40,752	134,987	147,642	134,987
NM from FPR	N/A	10 NM	20.4 NM	29.1 NM	20.3 NM	27.7 NM	11.8 NM
Acreage	3,660	1,707	739	1,060	626	600	90
Tower	Yes	Yes	Yes	No	No	No	No
Longest Runway	6,492 Feet	7,314 Feet	5,826 Feet	5,000 Feet	4,024 Feet	6,300 Feet (Turf)	3,120 Feet (Turf)
Customs Facility	Yes	No	No	No	No	No	No
NPIAS Future Service Level	GA	GA	GA	GA	GA	N/A	N/A
NPIAS Dev. Cost (2009-2013)	\$23,173,608	\$19,190,000	\$40,947,527	\$1,489,322	\$6,082,410	N/A	N/A
FASP 2025 Future Service Level	Commercial	Commercial	Community	Community	Community	Community	Community
Commercial Certification	No	Yes	No	No	No	No	No
NM from PBI	50.8 NM	60.8 NM	30.7 NM	53.4 NM	71.1 NM	28.2 NM	61.4 NM



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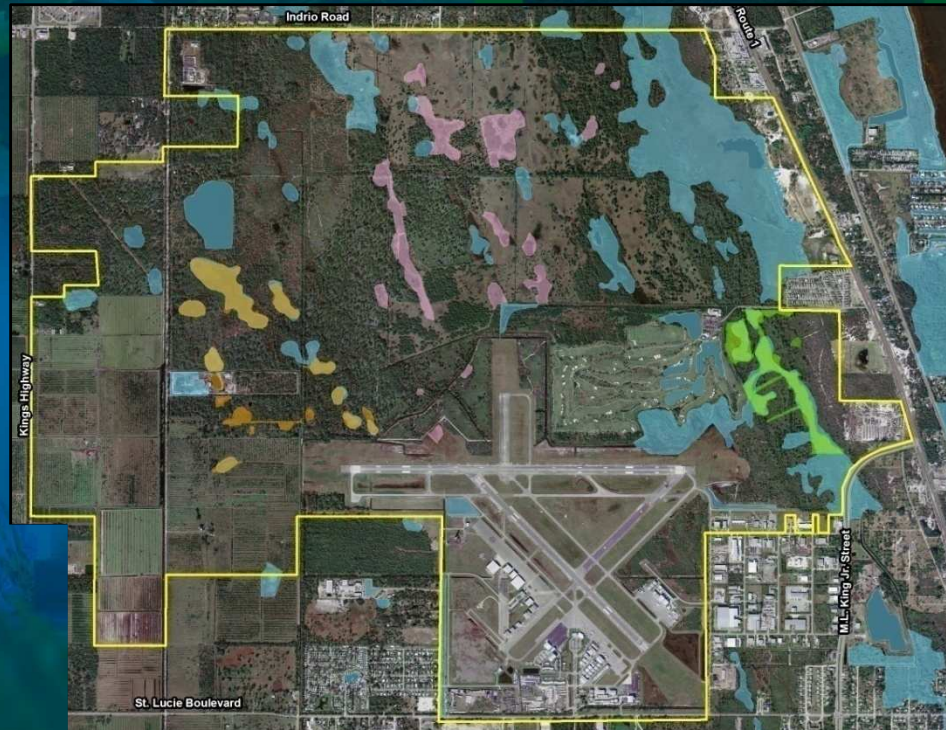


Natural Features Inventory

► *Identifies existing natural features which may impact future development including:*

- *Archaeological Resources*
- *Biotic Communities*
- *Protected Species*
- *Wetlands & Floodplains*

- Project Area
- Wetland Delineated for Runway 9L/27R
- Wetlands Approximated from Aerial and Limited Field Verification
- Wetland Delineated for Runway 9L/27R Mitigation Area
- Wetland and Surface Water Data for SFWMD



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Noise Concerns

Unless directed by ATCT to extend to mid-river, all touch-and-go, stop-and-go and full-stop taxi-backs should avoid the noise sensitive areas by **SAFELY TURNING BEFORE REACHING US 1.**

All jet aircraft takeoffs are to utilize National Business Aircraft Association close-in procedures. Jet aircraft departures on Runway 9 maintain runway heading until 2,000 ft. or reaching the ocean shoreline before initiating any turns. Touch-and-go operations by jet aircraft are prohibited.

Traffic Pattern

When Air Traffic Control Tower is closed (9:00 p.m. to 7:00 a.m.), preferred pattern is:

Right traffic for Runway 14 and 27
left traffic for Runway 32
Left traffic for Runway 9

St. Lucie County International Airport is a noise sensitive airport and we ask your consideration of the people that live in the surrounding area by complying with these **Voluntary Noise Abatement Procedures**.

**BE A GOOD NEIGHBOR AND FLY QUIET!
QUIET FLYING IS GOOD BUSINESS!**

- All aircraft takeoffs should be made utilizing the best rate of climb speed.
- Intersection takeoffs are strongly discourage except as directed by ATCT.
- Runway 14 is preferred in calm wind as traffic, weather, and airspace safety and efficiency permit.
- Discourage Stage 1 aircraft operations unless for life safety, emergency or aircraft recertification.

Touch & Go, Stop & Go, and Full-Stop Taxi-Back Operations Are Limited To:

- **Monday through Friday: 8 a.m. to 10 p.m.**
- **Saturday: 9 a.m. to 10 p.m.**
- **Not permitted Sundays and Holidays***

**New Years Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Christmas Day.*

These operations are allowed at any time if west of US 1, only.



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Importance of Forecasts

- ▶ *To develop a realistic assessment of market conditions and market performance.*
- ▶ *To address unique local conditions not fully considered in national or macro level forecast efforts.*
- ▶ *To provide a benchmark for comparing current facilities against a reasonable estimate of future demand to define potential future facility needs.*





Factors and Opportunities

- ▶ *Business and Economic Patterns*
- ▶ *New Technology (i.e. NextGen, VLJs, etc)*
- ▶ *Global Terrorism and War*
- ▶ *Fuel Prices, Mergers, Bankruptcies, and general economy*
- ▶ *Shifts in commercial and GA activity*
- ▶ *Security and Safety Requirements*
- ▶ *Green Technology, etc.*



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Aviation Activity Forecasts

- ▶ *Historic and Current Air Traffic Activity*
- ▶ *Factors and Opportunities Impacting Activity Levels*
- ▶ *Socioeconomic Forecasts and Demand*
- ▶ *Activity Forecasts:*
 - ▶ *Operations (GA, Military, Air Taxi, On-Demand Charter, Instrument, Fleet Mix, etc.)*
- ▶ *Peaking Forecasts:*
 - ▶ *Average, peak month, day and hour operations, pilots/passengers, aircraft and fuel demand, etc.*



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Next Steps

- ▶ *Submit Working Paper 1 – 02/2009*
 - ▶ *Inventory of Existing Conditions*
 - ▶ *Aviation Activity Forecasts*
- ▶ *FAA Forecast Review and Approval*
- ▶ *Working Paper 2 – 06/2009*
 - ▶ *Demand Capacity, and*
 - ▶ *Facility Requirements*
- ▶ *Technical Advisory Meeting 2 – 06/30/09*





Tentative Project Schedule

▶ Working Papers:

- ▶ WP 1 – 02/19/09
 - ▶ Inventory of Existing Conditions
 - ▶ Aviation Activity Forecasts
- ▶ WP 2 – 06/24/09
 - ▶ Demand Capacity/Facility Requirements
- ▶ WP 3 – 09/21/09
 - ▶ Alternatives Analysis
- ▶ WP 5 – 11/10/09
 - ▶ Refined Alternatives
- ▶ WP 6 – 02/01/10
 - ▶ Airport Layout Plan
 - ▶ Implementation/Financial Feasibility Analysis
- ▶ Final Report - 06/15/10

▶ Tenant/TAC Meetings:

- ▶ Kick-Off Meeting – 01/27/09
- ▶ Meeting 2 – 06/30/09
- ▶ Meeting 3 – 09/29/09
- ▶ Meeting 4 – 02/09/10

▶ County Commission Workshop – 11/17/09

▶ County Commission Meetings:

- ▶ Meeting 1 – Open
- ▶ Meeting 2 – 02/23/10